Title (en)
  CEBUS DATA LINK LAYER PROXY

Title (de)
  DATENVERBINDUNGSCHICHTPROXY FÜR CEBUS

Title (fr)
  PASSERELLE MANDATAIRE A COUCHE LIAISON DE DONNEES CEBUS

Publication
  EP 0976224 A1 20000202 (EN)

Application
  EP 98919767 A 19980414

Priority
  • US 9807504 W 19980414
  • US 84346197 A 19970416

Abstract (en)
  [origin: WO9847267A1] A communication protocol proxy enables a CEBus network to be mapped across a non-CEBus network, thereby allowing a remotely located node (e.g., a controller) to communicate via a non-CEBus network with electronic devices connected to the CEBus network, while still conforming with the EIA/IS-60 protocol requirements. In a preferred embodiment, a proxy node is provided on a CEBus network, wherein the proxy node is also connected to a non-CEBus network, (e.g., a wide area network ("WAN")), such that a remotely located controller on the non-CEBus network may communicate with a device on the CEBus network by transmitting messages to the proxy node over the non-CEBus network. The proxy node then forwards the message to the respective CEBus device over the CEBus network. If the message requires a CEBus Ack message response, the CEBus device transmits a CEBus Ack message to the proxy node, so that it is received within the time interval specified by the CEBus standard. On receiving the CEBus Ack message, the proxy node transmits a non-CEBus standard acknowledge message to the controller, which can be received over an extended time interval. If the message does not require a CEBus Ack message response, the proxy node still transmits a non-CEBus standard acknowledge message to the controller in order to verify receipt of the message.

IPC 1-7
  H04L 12/28; H04L 12/46

IPC 8 full level
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Citation (search report)
  See references of WO 9847267A1

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